

L9 ANSWER 17 OF 29 CAPLUS COPYRIGHT 2003 ACS on STN

ACCESSION NUMBER: 1975:595135 CAPLUS

DOCUMENT NUMBER: 83:195135

TITLE: Treating fibers

INVENTOR(S): Katsushima, Atsuo; Hisamoto, Iwao; Soei, Taneomi;
Kato, Takahisa; Nagai, Masayuki; Iwaya, Akitoshi

PATENT ASSIGNEE(S): Daikin Kogyo Co., Ltd.

SOURCE: Jpn. Tokkyo Koho, 6 pp.

CODEN: JAXXAD

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
------------	------	------	-----------------	------

JP 49040040	B4	19741030	JP 1972-57856	19720610
-------------	----	----------	---------------	----------

PRIORITY APPLN. INFO.:	JP 1972-57856	19720610
------------------------	---------------	----------

AB Fibers are treated with a liq. prepd. by mixing an aq. dispersion of a fluorine-contg. polymer contg. a C3-21 perfluoroalkyl group with an antistatic agent and a water-sol. salt to give antistatic fibers with improved water and oil repellency. Thus, a mixt. of (CF₃)₂CF(CF₂)₆CH₂CH(OH)CH₂OOCCH:CH₂ 36, N-methylolacrylamide 0.34, 2-ethylhexyl methacrylate 31.5, H₂O 45, Me₂CO 7, and 62:38 dimethyloctadecylamine-glacial acetic acid mixt. 6.4 g was stirred at room temp., heated to 40-55.degree., mixed with an aq. soln. contg. 5 g H₂O and 0.06 g HCl, heated to 58-62.degree., and stirred for 3 hr. The stable polymer [***55527-32-7***] dispersion (1 part) was mixed with a soln. of 1 part Parmax AW-2 [11121-11-2] in 20 parts H₂O and an aq. soln. contg. 0.5 part NH₄Cl [12125-02-9] in 20 parts H₂O and then dild. with H₂O to 100 parts. A Tetoror broadcloth (15 parts) was dipped into the ***emulsion*** for 3 min, squeezed to 100% pickup, dried at 80.degree. for 20 min, and then heat-treated at 150.degree. for 3 min, giving an antistatic cloth with improved water and oil repellency.

EV979440235